(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 6 January 2005 (06.01.2005)

(10) International Publication Number WO 2005/001810 A1

- (51) International Patent Classification7:
- G10H 3/14
- (21) International Application Number:
 - PCT/GB2004/002746
- (22) International Filing Date: 24 June 2004 (24.06.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0314712.1

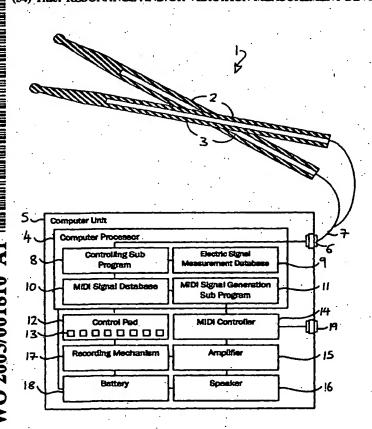
24 June 2003 (24.06.2003)

- (71) Applicant (for all designated States except US): AICOM LIMITED [GB/GB]; Unit 23, City Business Centre, 6-8 Brighton Road, Horsham, West Sussex RH13 5BB (GB).
- (75) Inventor/Applicant (for US only): CORDANI, Andrew [GB/GB]; 1 Lynwood Road, Tooting, London SW17 8SB (GB).

- (74) Agent: BRIDGE-BUTLER, Alan, James; G.F. Rodforn & Co., 7 Staple Inn, Holborn, London WC1V 7QF (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, BC, EE, BG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, BE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: RESONANCE AND/OR VIBRATION MEASUREMENT DEVICE



(57) Abstract: A resonance and/or vibration measurement device comprising an elongate member, resonance and/or vibration measuring. means and processing means, in which the resonance and/or vibration measuring means records resonance and/or vibration of the elongate member caused by the striking of a material in use, and the processing means is adapted to identify a predetermined characteristic of the material from the recorded resonance and/or vibration measurement:

SK, TR), OAPI (BI', BJ, CI', CG, CL, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CII, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JI', KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MX, NA, NI, NO, NZ, OM, PG, PH, PI, PI, RO, RU, SC, SD, SE, SG, SK, SI, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA,

SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, IJ, MC, NI, PI, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, MI, MR, NE, SN, TD, TG)

of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.